

**CD37 Polyclonal Antibody**  
**Catalog # AP73645****Specification**

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**CD37 Polyclonal Antibody - Product Information**

Application	<b>WB, IHC-P</b>
Primary Accession	<a href="#">P11049</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**CD37 Polyclonal Antibody - Additional Information****Gene ID** 951**Other Names**

CD37; TSPAN26; Leukocyte antigen CD37; Tetraspanin-26; Tspan-26; CD37

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**CD37 Polyclonal Antibody - Protein Information****Name** CD37**Synonyms** TSPAN26**Function**

Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling. Participates thereby in diverse biological functions such as cell signal transduction, adhesion, migration and protein trafficking (PubMed:<<http://www.uniprot.org/citations/22624718>>22624718</a>). Upon ligand binding, two signaling pathways are activated, one acting through phosphorylation by LYN leading to cell death or a survival pathway with activation of GSK3B (PubMed:<<http://www.uniprot.org/citations/22624718>>22624718</a>). Plays an essential role essential for clustering of integrin ITGA4/ITGB1 and promotes its mobility in the plasma membrane of B-cells. In turn, participates in ITGA4/ITGB1 integrin-mediated antiapoptotic signaling through AKT (By similarity). Also plays a role in the migration of dendritic cells and neutrophils to draining lymph nodes, as well as in their integrin-mediated adhesion (By similarity). Negatively regulates IL-6 responses through direct

interaction with SOCS3 thereby preventing constitutive IL-6 signaling (PubMed:<a href="http://www.uniprot.org/citations/26784544" target="\_blank">26784544</a>). Alternatively, inhibition of IL-6 signaling can also occur via interaction and stabilization of DECTIN1/CLEC7A at the cell membrane to inhibit its ability to promote the production of IL-6 (PubMed:<a href="http://www.uniprot.org/citations/17182550" target="\_blank">17182550</a>).

#### Cellular Location

Cell membrane; Multi-pass membrane protein

#### Tissue Location

B-lymphocytes (PubMed:26784544). Antigen presenting cells (PubMed:17182550).

### CD37 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CD37 Polyclonal Antibody - Images



